

Safety for Science Students

- ❑ Maintain quiet, orderly behaviour during laboratory periods. Always be alert. Take care not to bump another student.
- ❑ Remain in your lab station during an experiment - never leave an experiment unattended - an unattended experiment could result in an accident.
- ❑ Study the procedure of the experiment before performing it. If you are uncertain about the correct procedure to be followed, ask your teacher.
- ❑ Advise your teacher of any medical condition (contact lenses, allergies, respiratory problems, etc.) that might be aggravated by a particular experiment.
- ❑ Never attempt unauthorized experiments. No laboratory work may be carried on without the teacher's permission. Do not begin an experiment until directed to do so by the teacher.
- ❑ Each student should wear a lab coat or lab apron when directed to do so by the teacher. Avoid loose, bulky clothing, such as winter jackets, coats, etc., and dangling jewellery. **Sandals, and bare feet are prohibited.** Closed shoes must be worn in the laboratory. Keep long hair tied back, especially when an open flame is nearby.
- ❑ Never bring food or drink (including water) into the laboratory, and do not drink or eat anything in the lab.
- ❑ The storage room is out of bounds to all students.
- ❑ Student backpacks should be stored away from the lab work area and out of the aisles so that people can move freely without tripping over student backpacks, or books.
- ❑ Stand up while doing an experiment unless directed otherwise by the teacher.
- ❑ **Approved eye protection must be worn at all times in the lab.** Prescription glasses and/or sunglasses do not provide adequate protection. Safety glasses or goggles must have side shields.
- ❑ Disposable gloves must be used when handling corrosive chemicals, toxic chemicals, biological stains, or potentially infectious materials.
- ❑ Know the location and correct operation of all safety equipment.
- ❑ The most common type of student injury is a burn caused by touching objects that have just been heated. Determine whether an object is hot by bringing the back of your hand close to the object.
- ❑ Keep all work areas clean and tidy. Clean and wipe dry all work areas at the end of each lab activity.
- ❑ Never carry hot equipment or dangerous chemicals through a crowd of students.
- ❑ Always waft odours towards your nose with your hand. Never breathe them directly.
- ❑ Wash your hands after handling any chemicals.
- ❑ Learn to light a Bunsen burner correctly. Keep your head back from the burner during the process. Never leave a lit Bunsen burner unattended - if you must leave the lab bench - shut off the Bunsen burner.
- ❑ Use the proper type of tongs when handling hot objects. Do not allow hot objects to contact the tabletop.
- ❑ When removing an electric plug from its socket, pull the plug and not the cord.
- ❑ Use caution when handling all chemicals.
- ❑ Report sharp edges on prisms, mirrors, glassware, metal objects, etc., to the teacher so that they can be removed or repaired.
- ❑ Place broken glassware in a container provided for that purpose. Never place broken glass in the trash. Be careful not to leave broken glass on the lab bench or in the sink.
- ❑ When heating a liquid or solid in a test tube, keep the tube moving in the flame. Hold the tube at an angle and heat the tube evenly on the sides and bottom. Point the tube's mouth away from others.
- ❑ Dispose of chemicals and specimens as instructed by the teacher.
- ❑ Flush sink drains thoroughly after using chemicals if they are disposed of in the sink.
- ❑ Never return unused solutions to stock containers or reagent bottles.
- ❑ Rinse any skin burn immediately with lots of water. If an eye is involved, irrigate it for a minimum of 15 minutes.
- ❑ Report all injuries to the teacher immediately, regardless of how minor.
- ❑ Beware of what appears to be drops of water on lab benches; they may be corrosive liquid.
- ❑ Report all breakages and spilled chemicals to the teacher

Student Safety Contract

Students (and parents or guardians) must read and sign a laboratory safety contract. Students are expected to follow all laboratory safety rules during all laboratory activities. A student will be suspended from participating in current and future laboratory activities after refusing to follow acceptable laboratory practices or behaving in ways that create a dangerous situation for the student or other students; this will also result in a mark of zero for these laboratory activities.

Do you wear contact lenses? ☐ Yes ☐ No

Please be aware that wearing contact lenses poses an extra risk during lab activities. If a student is wearing contact lenses, and gets chemicals in his/her eyes, the contact lenses will make it more difficult to completely flush the chemical from the eyes. A student who wears contact lenses must be very cautious during lab activities. The use of contact lenses during lab activities should be avoided if possible.

Do you have any medical conditions that might be aggravated by specific lab activities? ☐ Yes ☐ No

If yes, please describe.

I have read the laboratory safety rules and agree to abide by all laboratory safety rules during all laboratory activities.

Student Name (please print)

Student Signature

Parent or Guardian's Name (please print)

Parent or Guardian's Signature

Date

Please provide the following information in case of accident/emergency:

Student Health Card Number: _____

In case of accident/emergency contact: _____

Relationship to Student _____ Phone _____

Family Doctor _____ Phone _____